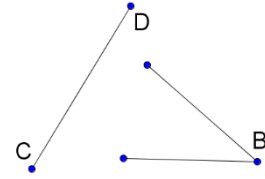


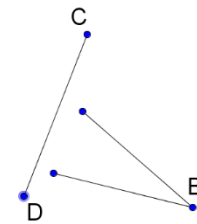
Construction Junction, What's your Function?

For each task, complete the construction and write directions on how you did it. Explain how you know it works.

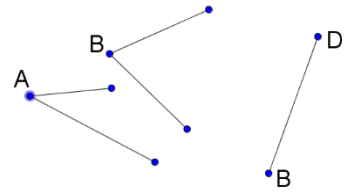
1. Construct an isosceles triangle ABC , given base angle B and the altitude CD to one of its legs.



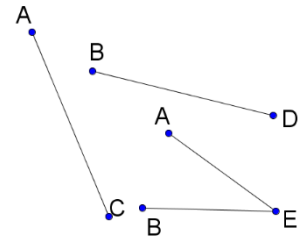
2. Construct a right triangle ABC , given angle B , one of its acute angles, and CD , the altitude to the hypotenuse.



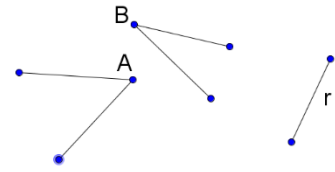
3. Construct a triangle ABC , given two of its angles, A and B , and the angle bisector to the angle B .



4. Construct a parallelogram $ABCD$, given the diagonals AC and BD and $\angle AEB$ between the diagonals, where E is the intersection of the diagonals.



5. Construct a triangle ABC , given the angles A and B and the radius of the circle inscribed in the triangle.



6. Given a circle C_1 and lines AX and AY , that are tangent to the circle at points X and Y . Construct a circle C_2 that is tangent to the circle C_1 and to the lines AX and AY .

